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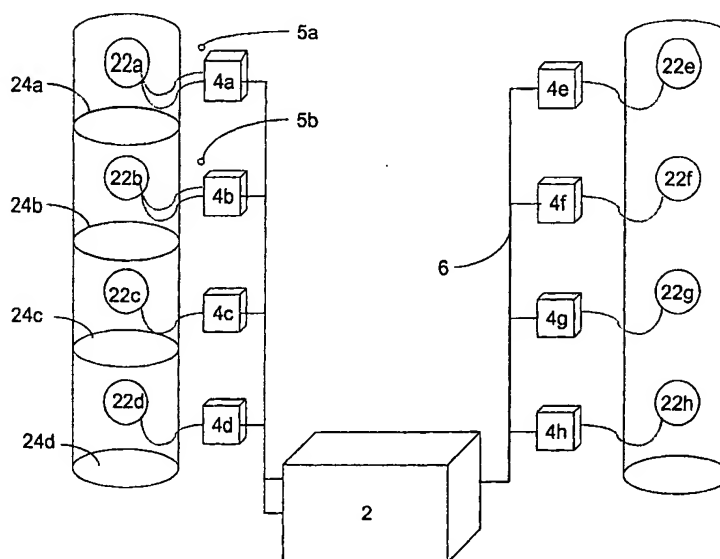
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(54) Title: SAFETY MONITORING SYSTEM



(57) Abstract: A method is disclosed for monitoring personnel operating at a workplace within a confined space. The method involves providing a mobile workplace module comprising a video registration device producing video data, an audio interface for emitting and receiving audio data and a gas sensor to produce gas sensor data. The workplace module is mounted at least partially within the confined space and a mobile monitoring unit comprising a display for displaying video data from the workplace module, an audio interface for emitting and receiving audio data and a gas data receiver for receiving gas sensor data is located outside the confined space. The workplace module and the monitoring unit are connected by a mobile umbilical cable for data transmission so that personnel at the workplace may easily be monitored from the monitoring unit. Apparatus for carrying out the method is also disclosed including a mobile monitoring system, a workplace module, a video camera mount, an extractive gas detector and a computer system.

WO 2005/041145 A1



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